

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended): A method for enabling exchange of electronic data between market participants, the method comprising:

- enabling a first market participant to configure one or more business rules, wherein each business rule is capable of being applied to a specific second market participant;
- receiving electronic data from the first market participant in a first format representing at least one business transaction that includes a request business transaction portion and an expected related response business transaction portion;
- validating the electronic data representing the business transaction;
- communicating to the first market participant receipt of the electronic data representing the business transaction and validation results of the electronic data representing the business transaction;
- mapping, by a computer, the electronic data representing the business transaction from the first format to a standard format;
- communicating electronic data representing the request business transaction portion to the second market participant;
- receiving electronic data representing the expected related response business transaction from the second market participant;
- matching the electronic data representing the expected related response business transaction portion received from the second market participant with the electronic data representing the request business transaction portion;
- determining whether the electronic data representing the business transaction satisfies at least one configurable business rule, wherein the configurable business rule defines relationship

information between the electronic data representing the request business transaction portion and electronic data representing the expected related response business transaction portion;

establishing electronic data representing a business transaction based on the determination of whether the electronic data representing the business transaction satisfies the configurable business rule;

monitoring a sequence of electronic data representing a series of related business transactions between the first market participant and the second market participant; and

enabling the first market participant and the second market participant to track a status of the electronic data representing the business transaction and the business transaction and the sequence of electronic data representing the series of related business transactions between the first market participant and the second market participant.

2. (cancelled)

3. (previously presented): The method of claim 1, wherein the configurable business rule is configured based on at least one of a jurisdiction associated with the electronic data representing the business transaction, a time relationship between the electronic data representing the request business transaction portion and the electronic data representing the expected related response business transaction portion, and a business event associated with the electronic data representing the business transaction.

4. (previously presented): The method of claim 1, further comprising processing electronic data representing business transactions having different formats.

5. (previously presented): The method of claim 1, further comprising sending a message indicating that the electronic data representing the business transaction does not satisfy a configurable business rule.

6. (previously presented): An apparatus for enabling exchange of electronic data between market participants, comprising:

a memory; and

a processor coupled to the memory, wherein the processor is configured to:

enable a first market participant to configure one or more business rules, wherein each business rule is capable of being applied to a specific second market participant;

receive electronic data from the first market participant in a first format representing at least one business transaction that includes a request business transaction portion and an expected related response business transaction portion,

validate the electronic data representing the business transaction,

communicate to the first market participant receipt of the electronic data representing the business transaction and validation results of the electronic data representing the business transaction;

map the electronic data from the first format to a standard format,

communicate electronic data representing the request business transaction portion to the second market participant,

receive electronic data representing the expected related response business transaction from the second market participant,

match the electronic data representing the expected related response business transaction portion received from the second market participant with the electronic data representing the request business transaction portion,

determine whether the electronic data representing the business transaction satisfies at least one configurable business rule, wherein the configurable business rule defines relationship information between the electronic data representing the

request business transaction portion and electronic data representing the expected related response business transaction portion,

establish electronic data representing a subsequent business transaction based on the determination of whether the electronic data representing the business transaction satisfies the configurable business rule,

monitor a sequence of electronic data representing a series of related business transactions between the first market participant and the second market participant, and

enable the first market participant and the second market participant to track a status of the electronic data representing the business transaction and the subsequent business transaction and the sequence of electronic data representing a series of related business transactions between the first market participant and the second market participant.

7. (cancelled)

8. (previously presented): The apparatus of claim 6, wherein the configurable business rule is configured based on at least one of a jurisdiction associated with the electronic data representing the business transaction, a time relationship between the electronic data representing the request business transaction portion and the electronic data representing the expected related response business transaction portion, and a business event associated with the electronic data representing the business transaction.

9. (previously presented): The apparatus of claim 6, wherein the processor is further configured to process electronic data representing business transactions having different formats.

10. (previously presented): The apparatus of claim 6, wherein the processor is further configured to send a message indicating that the electronic data representing the business transaction does not satisfy a configurable business rule.

11. (previously presented): An article comprising a computer-readable medium that stores executable instructions for enabling exchange of electronic data between market participants and causes a computer system to:

enable a first market participant to configure one or more business rules, wherein each business rule is capable of being applied to a specific second market participant;

receive electronic data from the first market participant in a first format representing at least one business transaction that includes a request business transaction portion and an expected related response business transaction portion,

validate the electronic data representing the business transaction,

communicate to the first market participant receipt of the electronic data representing the business transaction and validation results of the electronic data representing the business transaction,

map the electronic data from the first format to a standard format,

communicate electronic data representing the request business transaction portion to the second market participant,

receive electronic data representing the expected related response business transaction from the second market participant,

match the electronic data representing the expected related response business transaction portion received from the second market participant with the electronic data representing the request business transaction portion,

determine whether the electronic data representing the business transaction satisfies at least one configurable business rule, wherein the configurable business rule defines relationship information between the electronic data representing the request business transaction portion and electronic data representing the expected related response business transaction portion,

establish electronic data representing a subsequent business transaction based on the determination of whether the electronic data representing the business transaction satisfies the configurable business rule,

monitor a sequence of electronic data representing a series of related business transactions between the first market participant and the second market participant, and

enable the first market participant and the second market participant to track a status of the electronic data representing the business transaction and the subsequent business transaction and the sequence of electronic data representing a series of related business transactions between the first market participant and the second market participant.

12. (cancelled)

13. (previously presented): The article of claim 11, wherein the configurable business rule is configured based on at least one of a jurisdiction associated with the electronic data representing the business transaction, a time relationship between the electronic data representing the request business transaction portion and the electronic data representing the expected related response business transaction portion, and a business event associated with the electronic data representing the business transaction.

14. (previously presented): The article of claim 11, further comprising instructions for causing the computer to process electronic data representing business transactions having different formats.

15. (previously presented): The article of claim 11, further comprising instructions for causing the computer to send a message indicating that the electronic data representing the business transaction does not satisfy a configurable business rule.

16-34. (cancelled)

35. (new): The apparatus of claim 6 further comprising a second processor that is configured to access the processor.

36. (new): A method comprising:  
receiving electronically, at a computer system, a first transaction record from an organization, the first transaction record being received according to a first protocol, and the first transaction record having a first format and including first transaction data stored in the first format and describing a completed first transaction between the organization and a customer;  
converting, by the computer system, the first transaction data from the first format into another format;  
accessing, by the computer system and based on information in the first transaction record, a first business rule configured by the organization and describing a second transaction expected to be completed between the organization and the customer in response to the completed first transaction; and  
waiting, by the computer system, for reception of a second transaction record from the organization including second transaction data describing completion of the second transaction.

37. (new): The method of claim 36 further comprising:

receiving the second transaction record from the organization, the second transaction record being received according to the first protocol, and the second transaction record having the first format and including the second transaction data stored in the first format and describing a completed second transaction between the organization and the customer;

converting the second transaction data from the first format into the another format;

determining in an automated manner that the first business rule is satisfied by the second transaction data;

accessing, based on the first business rule being satisfied, a second business rule configured by the organization and describing a third transaction expected to be completed between the organization and the customer in response to the completed second transaction; and

waiting for reception of a third transaction record from the organization including third transaction data describing completion of the third transaction.

38. (new): The method of claim 37 further comprising repeating the operations of (i) receiving, (ii) converting, (iii) determining, (iv) accessing, and (v) waiting from claim 37 for a series of successive transactions between the organization and the customer, each of the series of successive transactions between the organization and the customer identifying a succeeding transaction in the series through a business rule.

39. (new): The method of claim 36 further comprising:

receiving the second transaction record from the organization, the second transaction record being received according to the first protocol, and the second transaction record having the first format and including the second transaction data stored in the first format and describing a completed second transaction between the organization and the customer;

converting the second transaction data from the first format into the another format;

determining whether the first business rule is satisfied by the second transaction data; and  
informing the organization of whether the first business rule is satisfied.



40. (new): The method of claim 39 wherein determining whether the first business rule is satisfied comprises determining whether the second transaction was completed within a time period required by the first business rule.

41. (new): The method of claim 36 further comprising:  
receiving a third transaction record from the organization, the third transaction record being received according to the first protocol, and the third transaction record having the first format and including third transaction data stored in the first format and describing a completed third transaction between the organization and the customer;  
converting the third transaction data from the first format into the another format;  
determining that the third transaction is an unexpected transaction, an unexpected transaction being a transaction that is expected to succeed a given transaction that has not been completed; and  
informing the organization that the third transaction is an unexpected transaction.

42. (new): The method of claim 36 further comprising:  
receiving a third transaction record from another organization, the third transaction record being received according to another protocol, and the third transaction record having another format and including third transaction data stored in the another format and describing a completed third transaction between the another organization and another customer;  
converting the third transaction data from the another format into the another format;  
accessing, based on information in the third transaction record, a third business rule configured by the another organization and describing a fourth transaction expected to be completed between the another organization and the another customer in response to the completed third transaction; and  
waiting for reception of a fourth transaction record from the another organization including fourth transaction data describing completion of the fourth transaction.

43. (new): The method of claim 42 further comprising:

receiving the fourth transaction record from the another organization, the fourth transaction record being received according to the another protocol, and the fourth transaction record having the another format and including the fourth transaction data stored in the another format and describing a completed fourth transaction between the another organization and the another customer;

converting the fourth transaction data from the another format into the another format;

determining, by the computer system, that the third business rule is satisfied by the fourth transaction data;

accessing, based on the third business rule being satisfied, a fourth business rule configured by the another organization and describing a fifth transaction expected to be completed between the another organization and the another customer in response to the completed fourth transaction; and

waiting for reception of a fifth transaction record from the another organization including fifth transaction data describing completion of the fifth transaction.

44. (new): The method of claim 43 further comprising repeating the operations of (i) receiving, (ii) converting, (iii) determining, (iv) accessing, and (v) waiting from claim 43 for a series of successive transactions between the another organization and the another customer, each of the series of successive transactions between the another organization and the another customer identifying a succeeding transaction in the series through a business rule.

45. (new): The method of claim 38 further comprising:

receiving a fourth transaction record from another organization, the fourth transaction record being received according to another protocol, and the fourth transaction record having another format and including fourth transaction data stored in the another format and describing a completed fourth transaction between the another organization and another customer;

converting the fourth transaction data from the another format into the another format;  
accessing, based on information in the fourth transaction record, a fourth business rule configured by the another organization and describing a fifth transaction expected to be completed between the another organization and the another customer in response to the completed fourth transaction;

waiting for reception of a fifth transaction record from the another organization including fifth transaction data describing completion of the fifth transaction;

receiving the fifth transaction record from the another organization, the fifth transaction record being received according to the another protocol, and the fifth transaction record having the another format and including the fifth transaction data stored in the another format and describing a completed fifth transaction between the another organization and the another customer;

converting the fifth transaction data from the another format into the another format;  
determining, by the computer system, that the fourth business rule is satisfied by the fifth transaction data;

accessing, based on the fourth business rule being satisfied, a fifth business rule configured by the another organization and describing a sixth transaction expected to be completed between the another organization and the another customer in response to the completed fifth transaction;

waiting for reception of a sixth transaction record from the another organization including sixth transaction data describing completion of the sixth transaction; and

repeating the operations of (i) receiving a transaction record of an expected transaction, (ii) converting a format of the transaction record of the expected transaction, (iii) determining that the transaction record of the expected transaction satisfies a business rule, (iv) accessing a further business rule describing a further transaction expected to be completed, and (v) waiting for a transaction record for the further expected transaction, for a series of successive transactions between the another organization and the another customer, each of the series of

successive transactions between the another organization and the another customer identifying a succeeding transaction in the series through a business rule.

46. (new): The method of claim 38 further comprising receiving an update from the organization for the first business rule.

47. (new): The method of claim 38 further comprising providing the organization electronic access to transaction records for the series of successive transactions.

48. (new): The method of claim 38 wherein:  
the organization includes a first energy supplier, and  
the another organization includes a second energy supplier.

49. (new): The method of claim 38 wherein:  
the organization includes a utility organization, and  
the another organization includes an energy supplier.

50. (new): The method of claim 48 wherein:  
the completed first transaction is a bill for energy supplied to a customer by the first energy supplier; and  
the second transaction is an expected payment of the bill from the customer.

51. (new): The method of claim 48 wherein:  
the completed first transaction is an enrollment by a customer to receive energy from the first energy supplier; and  
the second transaction is an expected response from the customer to the enrollment.